



Are you tracking network maturity and health?

- Task Team on Metrics & Maturity -

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Task team goals:

1. Develop definitions of emerging and mature networks
2. Develop a network 'health index'

The draft metrics below are based on the OCG attributes with input from task team, Report Card 2023 and OCG Data Implementation strategy



How do you assess maturity and health? What metrics are valuable to track for your network?

Add your input to the Miro Board (QR) or get in contact: s.lemcke@unesco.org

Emerging Network Attributes

Mature Network Attributes

Health Index

| | | | | |
|---------------------------|---|--|---|---|
| 1 Scale | Regional and actively developing capacity in more regions | Greater than regional, and as far as feasible, intention to be global | → | Presence in number of basins; Number of countries contributing |
| 2 EOVs/ECVs | Observing one or more EOv's or ECV's | Consider expanding variables where feasible | → | Number of EOv or ECV measured annually |
| 3 Obs. are sustained | Sustained beyond time-span of single projects, undertaking routine | Sustained over multiple years; Change in obs. density/capacity is understood and addressed | → | % change in number of platforms/obs. against the average no. over the previous 3-years |
| 4 Governance | Developing governance structure with ToR and contacts on GOOS website; Developing a strategy to become a mature network | Gov. structure developed with ToR and contact points on GOOS website; Develops a multi-year strategy and implementation plan, as part of regular reporting to OCG | | |
| 5 Mission and targets | Unique 'space'/mission in GOOS identified; Meeting community adopted targets, based around global/other requirements | Reports against status (health index) to OCG Status compared to community adopted targets; network self assessed status when target doesn't exist | | |
| 6 Data | Provides real time and delayed mode data on a free and unrestricted basis; Works towards identifying data end point (GDAC, etc.) in virtual or physical for real time and delayed mode; Considers a data strategy and implementing OCG Data Implementation Strategy | All data exchanged in NRT, when relevant, with the WMO GTS or WIS2; Data end point identified for delayed mode data (QC'ed and with globally unique identifier (DOI)); End point contains all metadata needed to understand the data; Data available through ERDDAP services for m2m access | → | % of platforms for which data are being delivered in near real-time (where appropriate) and in delayed-mode |
| 7 Metadata | Working towards exchanging minimum metadata (passport) with OceanOPS | All required metadata exists in OceanOPS; At least 90% of metadata is exchanged with OceanOPS through machine-2-machine services | → | % of platforms for which complete metadata are available in OceanOPS database; % of metadata is exchanged with OceanOPS using fully automated m2m processes. |
| 8 Best Practices | The network starts to develop, update, and follow best practices | Best practices identified, GOOS Endorsed, easily accessible and findable (OBPS) and encompassing the observations lifecycle | | |
| 9 Capacity development | Considers capacity development Supports inclusivity and diversity | Development of activities that enable new communities of ocean observers | | |